

## OBITUARY

### PROFESSOR Dr. WALTER KARL JOHANN ROEPKE

1882 – 1961

After having finished his academic studies and having been engaged for some years in anatomical-taxonomic work on Lepidoptera as an assistant of Professor STANDFUSS at Zürich, Walter Karl Johann ROEPKE desired to become acquainted with the tropics and therefore accepted an appointment as a field entomologist in Java, in 1908. He was stationed at Bandung, where it was his first task to study the insects injurious to *Cinchona* cultivations in the mountains. However, he was soon transferred to Salatiga, at that time a centre for experimental work on behalf of the European-owned estates, and situated amidst plantations characterised by mixed crops.

The principal and rather intricate problems he had to advise upon were concerned with the control of capsid bugs, *Helopeltis*, which destroyed all tender growth, and a Mirolepidopterous pest, *Acrocercops*, which attacked the cocoa pods. However, at that time, a "plant doctor" was not supposed to confine his attention to the major problems; planters also wanted to be informed about all kinds of notable insects frequenting their gardens. This enabled ROEPKE to extend his observations to a great diversity of species. His spare time was devoted to his favourite pursuits, among which was climbing mountain tops and collecting insects. The story goes that in those days, whenever he entered a lodging or a rest-house, he would first examine it as to the presence of insect intruders, which might be found on the walls or in odd corners, or which were attracted by the gasoline lamps on the verandahs.

Working at a private experimental station meant that results obtained should be published without delay and ROEPKE's reports and papers soon appeared in the periodicals. They covered diverse subjects, such as a survey of *Cinchona* insects and of borers in cocoa trunks, the importance of ants in the plantations, the Scolytidae of coffee, the prospects of the biological control of pests, etc. He was an expert in setting and photographing his specimens — particularly small Lepidoptera — and trained a Javanese artist to make minute pen drawings, so that most of his publications were well-illustrated. The clear way in which he expressed himself by means of the written as well as the spoken word also was well suited for the informative work that was required of him, and it was to be of great advantage to him during his further career.

A few years later ROEPKE's adaptability and capacities were again put to the test when measures of economy led to the reorganization of the experimental stations. In 1913 he was put in charge of the station at Salatiga with a much curtailed budget. He was there the only university-trained member of the staff. This situation compelled him to tackle agronomic and technological problems as well. Fortunately, for the continuation of the work on the most urgent entomological problems he soon succeeded in getting appointed as his assistant P. VAN

DER GOOT, who was already known for his work on Aphidae in Holland and on sugar cane insects in East Java. This happily led to the basic studies of the latter on the role played by ants in plantations affected by *Helopeltis* and *Coccidae*. ROEPKE's own contributions to entomology, much hampered as they were by his administrative duties, mainly dealt with newly discovered Lepidopterous and Capsid pests.

His wide knowledge of entomological problems often resulted in his advice being sought by his colleagues at the other experimental stations and the institutes at Buitenzorg. In 1914 his assistance was officially solicited for the study and control of an outbreak of a non-migratory locust, *Valanga*, daily swarming from its breeding grounds in the teak forests to the adjacent native fields and plantations. His reports included important observations on Meloid predators and the *Scelio* parasite.

During the latter half of World War I, when normal conveyance of goods was hampered, he turned his attention to the damage done by insects to tropical products in storage. This, in its turn, brought him into contact with government departments and in 1918 he accepted an appointment as member of the staff of the Institute for Plant Diseases and Pests at Buitenzorg. Here he took part in the research work on the notorious coffee berry borer, *Stephanoderes*, and, as a most interesting side line of his work, carried out investigations on the carpenter bees, *Xylocopa*.

The engagement was of short duration, for he received a call from Wageningen, to become Professor of Tropical Agriculture there. This and his failing health prompted him to return to Europa in 1919, after an uninterrupted stay in the tropics of more than ten years.

Before leaving he managed to complete a series of contributions on very different insect groups to the first volume of the newly set up zoological periodical *Treubia*. In fact these papers, and those which had been published in the agricultural journal *Teysmannia* and *De Tropische Natuur*, a monthly periodical on natural history, covered subjects concerning most of the insect orders. Several of these and later papers showed his particular interest in highly specialized forms of insect life as found in myrmecophilous species, aberrant parasites and the like.

Notwithstanding the liberal output of papers ROEPKE had much material that had not been worked out and files of unpublished notes, photographs and drawings, which he took with him to Holland. Indeed, he had the intention in due time to write a book on the Javanese insect world, in the same way as MAXWELL LEFROY's "Indian Insect Life". Unfortunately this plan never materialized as he set himself with much concentration and energy to his new duties.

After a few years at Wageningen there was a chance that he might be chosen to fill the vacancy caused by the retirement of Professor RITZEMA BOS, who had lectured on applied entomology for many years. However, various difficulties arose and it was not before 1926 that he was appointed to the place that was most appropriate to his knowledge and ambitions, viz., that of Professor of Entomology. This was the beginning of a period which would last some 27 years and during which he could give full scope to the teaching and practice of his most favourite subjects.

With great diligence he set to work to organize his laboratory according to the

high standard he wanted. He laid great stress on having abundant material at his disposal for demonstration and for the training of students. His unabated interest in the insect fauna of the East Indies urged him to acquire much additional material from these regions.

The subjects which now called for his interest and provided themes for the work of senior students, for graduates working for a doctor's degree and for his assistants, were problems encountered in agriculture, horticulture, and forestry. The following subjects were among them: the black bean *Aphis*, bark-boring Scolytidae as carriers of Dutch Elm disease, Tenthredinidae, *Eriosoma*, thrips and red spiders, the insect food of starlings, trunk inhabiting termites, etc. In some instances ROEPKE took an active part in the further evaluation of results from research work and their practical application. He was also interested in the further development of entomological techniques.

In 1929 ROEPKE had an opportunity to revisit the East Indies, as a delegate to the Pan Pacific Science Congress at Batavia. He managed to obtain additional funds for the extension of his trip and spent some seven weeks on the Island of Batjan in the Moluccas to advise on the control of a Limacodid defoliator of Coconut plantations. Sailing home he broke his trip at Medan to visit the indigenous stands of *Pinus merkusii* in the Atjeh Highlands of North Sumatra and to make observations on *Aphis dorsata*. "What passionate entomologist has not got some hunter's blood running through his veins", he wrote in his recollections of Batjan (published 1935), in which he described how he did not rest before he had added to his collection the faunistic jewel, *Troides priamus croesus*, which occurs in the inaccessible sago-palm swamps.

His scarce leisure hours at Wageningen he spent persistently on his private entomological ambitions which he kept entirely separated from his university duties; they were concentrated more and more on the elaboration of his notes concerning Indo-Malayan Lepidoptera.

In 1932 he brought out an album, entitled "De Vlinders van Java", which contained some 230 small coloured pictures of butterflies, with extensive notes and hints for collecting and breeding. In it he aimed at the popularization of insect studies. This work was followed by a purely scientific monograph, the "Rhopalocera Javanica", in four volumes, with numerous photographic reproductions, issued in the years 1935—1942. His interest in Oriental Heterocera was about equally great and he made great efforts to identify the specimens in his own and other local collections and in the material submitted to him on various occasions. For these studies he kept in close contact with the British Museum, Natural History, which he visited at intervals, and where he found a great friend and collaborator in the person of Mr. W. H. T. TAMS. Most families, with the exception of the Geometridae, had his attention, but the Noctuidae provided the majority of the new and little known species, he dealt with. A monographic survey of the Sphingidae of Java (1941) must be mentioned separately. It was written in cooperation with a promising amateur entomologist, the late F. DUPONT, of Buitenzorg. The volume includes short descriptions, critical notes, and keys, and is illustrated by not less than 11 plates — two of them coloured — of caterpillars and pupae, and 12 plates with photographs of adult moths.

Here we must mention that the war passed over Wageningen in 1940 and

caused grave damage to ROEPKE's laboratory and his private possessions. In subsequent years it was most difficult to complete the equipment again and to continue normal activities, but ROEPKE managed to do so and the flow of his publications showed little interruptions. It is of great interest that ROEPKE himself published an extensive description of the entomological collections, present at the Landbouwhogeschool of Wageningen (1945). It must have given him much satisfaction that in 1946 he was elected Fellow of the Royal Entomological Society of London.

For some time Professor ROEPKE was not on quite good terms with the Nederlandsche Entomologische Vereeniging, but relations improved very much in later years and he became a regular and much respected visitor of the meetings, where his comments on a remarkable diversity of subjects were always to the point and were much appreciated.

When Professor ROEPKE retired in 1953 Her Majesty the Queen nominated him Ridder in de Orde van de Nederlandse Leeuw. Among the other honours bestowed upon him on that occasion was the honorary membership of the Nederlandsche Entomologische Vereeniging. A special number of the *Tijdschrift over Plantenziekten*, of which he was one of the editors, was issued on the same occasion. Among others it gave a complete survey of his work in Java and of his teaching period at Wageningen. The farewell lecture he delivered — which is published for the first time in the present issue — included many personal biographical notes and gave a good impression of the high ideals he had set himself in teaching and practising his subject, but also revealed the many obstacles and disappointments he had to meet.

ROEPKE continued taxonomic studies of South Asiatic Lepidoptera with renewed zeal after his retirement. Earlier he had been appointed official collaborator of the Rijksmuseum van Natuurlijke Historie of Leiden, where the country's largest collections of the group are preserved. Once every month he defied the tedious trip from his home in Wageningen to Leiden, starting with a half-hour's walk at 7 o'clock in the morning to the bus station, irrespective of season or weather. In the museum he would work in the collections, return material identified at home, spend considerable time in the library, and return home in the late afternoon, taking along with him new books and new unnamed material and many notes made in shorthand, legible only to himself. So he continued working steadily for over five years. Unfortunately, in the last two years his visits became abruptly less frequent, to stop a few months before his last illness. To the last he hoped to revisit the museum, and on his sick-bed conversed with visiting colleagues on the taxonomy of Lepidoptera.

We shall never forget his cheerful statement made many years ago: "When I die, I shall be not much more than one hundred years short of time for the work".

As a result of this last period of activity he produced a study of *Delias* of the Third Archbold Expedition to New Guinea (started but never finished by the late Dr. L. J. TOXOPEUS, entirely re-written by ROEPKE). He furthermore wrote a paper on Nyctemeridae, and several smaller papers. A posthume paper, now in press, deals with the description of a novel, archaic Saturniid from New Guinea.

Professor ROEPKE also left three loose leaved cahiers containing alphabetically arranged notes on some 350 persons which have been engaged in collecting and

studying insects in the former Netherlands East Indies. He had always been interested in these historical aspects and in personal notes, as is shown by his paper published on the occasion of the IXth International Entomological Congress in Amsterdam, 1951. He made great efforts to complete his notes on this matter but time failed him to extract from the archives all the data needed. The cahiers mentioned above are now being placed, according to his wishes, in the library of the Nederlandsche Entomologische Vereeniging, to supply anyone interested with the references so far compiled.

A virtually complete list of ROEPKE's publications and notes is attached to this obituary and may once more show how active and versatile this scholar was in the entomological field.

L. KALSHOVEN and A. DIAKONOFF.

## A LIST OF PAPERS BY W. ROEPKE

1907

„Aufzeichnungen nach meinem entomologischen Tagebuche. Beitrag zur Lebensweise und Zucht einiger *Bryophila*-Arten." Entom. Zeits. (Stuttgart), vol. 21, p. 14—15, 21—22, 29.

1908

„Ergebnisse anatomischer Untersuchungen an Standfuss'schen Lepidopteren-Bastarden. I. Folge: *Smerinthus* hybr. *hybridus* Westw. und hybr. *operosa* Stdfs." Jenaische Zeits. f. Naturwiss., vol. 44, p. 1—122.

1909

„Voorloopig overzicht der insecten van de Kina." Med. Alg. Proefst. Salatiga, ser. 2, no 12; also in Cultuurgids, vol. 11, part 2, p. 3—26.

„Het *Helopeltis* vraagstuk in het bijzonder met betrekking tot Kina." Med. Alg. Proefst. Salatiga, ser. 2, no. 21; also in Cultuurgids, vol. 11, part 2, p. 255—271, and in Ned. Ind. Landb. Synd., Handel. 10de Congres, part 1, Praeadviezen, 1b, p. 3—22.

„*Helopeltis* en hare bestrijding. A. Bij de Kina." Ned. Ind. Landb. Synd., Handel. X Congres, part 2, fasc. 4, p. 329—337.

„Een nieuwe gevaar-dreigende insectenplaag voor de koffiecultuur op Java." Cultuurgids, vol. 11, p. 365—366. (Scolytid in coffee berries)

„Verslag over twee dienstreizen in de Preanger, ten einde nieuwe gegevens omtrent *Helopeltis* en hare bestrijding te verkrijgen." Cultuurgids, vol. 11, p. 549—554.

„Lebensweise und Zucht von *Polyommatus baeticus* L. auf Java." Entom. Zeits. (Stuttgart, vol. 23, p. 170—171, 175—176.

„Rapport over een dienstreis in het Kediri'sche naar aanleiding van een rupsenplaag in de Robusta-koffie." Cultuurgids 11, p. 554—558; also in Verslag Alg. Proefst. Salatiga over 1909, p. 292—296.

„Onderzoekingen en adviezen naar aanleiding van ingezonden materiaal." Verslag Alg. Proefst. Salatiga over 1909, p. 289—291.

„Verdere mededeelingen over enkele op Kina voorkomende insecten." Med. Alg. Proefst. Salatiga, ser. 2, no. 17; also in Cultuurgids, vol. 11, part 2, p. 172—179.

1910

„De mier als voorbehoedmiddel tegen de Robusta-rupsenplaag." Cultuurgids, vol. 12, part 2, p. 13—14.

„Een nieuwe plaag van de koffie in Oeganda." (ref. of Hagedorn: Wieder ein neuer Kaffeeschädling, *Stephanoderes coffeae* 1910). Cultuurgids, vol. 12, part 2, p. 91—92.

„Mieren in Robusta-tuinen." Med. Alg. Prfst. Salatiga, ser. 2, no. 48; also in Cultuurgids, vol. 12, part 2, p. 287—297.

1911

„Verdere bijdragen tot de kennis van de Kina-insekten." Med. Alg. Proefst. Salatiga, ser. 3, no. 1, also in Cultuurgids, vol. 13, part 2, p. 1—14, 23—34.

„*Helopeltis* op kamfer en enkele aantekeningen omtrent zijn voederplanten." Med. Alg. Proefst. Salatiga, ser. 2, no. 5, p. 1—4; also in Cultuurgids, vol. 13, part 2, p. 1—4.

„Overzicht van de op Java bekende Rubber-insekten." Med. Alg. Proefst. Salatiga, ser. 3, no. 7, p. 1—16; also in Cultuurgids, vol. 13, part 2, p. 103—118.

„Note on the Rubber insects known in Java." Catal. Neth. East Ind. Sect., Intern. Rubber and Applied Trades Exhib., London. Repr. p. 1—15.

„Over den huidige stand van het vraagstuk van de Cacao-boorders op Java." Med. Proefst. M. Java, no. 1, p. 1—15.

## 1912

1. „Voorlopige mededeeling over mot in verschillende typen van Djati Roenggo Cacao.”
2. „Enkele biologische bijzonderheden betreffende de levenswijze van het mottrupsje en motvlindertje.”
3. „*Helopeltis* op Java en Sumatra.” Med. Proefst. M. Java, no. 3, p. 1—8.
- „Onderzoekingen, proefnemingen en adviezen. A. Op entomologisch gebied.” (in 1911—1912) „Werkplan 1912/1913.” Med. Proefst. M. Java, no. 4, p. 17—23.
- „De nieuwe parasieten van het Cacao-motje en iets over parasieten in het algemeen.” Med. Proefst. M. Java, no. 5.
- „Over den huidige stand van het vraagstuk van rampassen als bestrijdingsmiddel tegen de Cacao-mot op Java.” Med. Proefst. M. Java, no. 8.

## 1913

- „Verslag van het Rampas-congres gehouden door het Proefstation Midden-Java te Salatiga den 17den en 18den Januari 1913.” Med. Proefst. M. Java, no. 11.
- „Nieuwe onderzoekingen omtrent de parasieten van de Cacao-mot.” Med. Proefst. M. Java, no. 12, p. 1—21.
- „Nieuwe gegevens omtrent de Mot-parasieten.” Versl. 2de Vergad. techn. personeel partic. proefst. en ambtenaren Dep. Landb., Malang, 21—22 Aug. 1913.
- „Over de toepassing van parasieten.” Teijsmannia, vol. 24, p. 730—738.
- „Onderzoekingen, proeven en adviezen op entomologisch gebied in 1912/1913. Werkprogramma voor het jaar 1913/1914.” Med. Proefst. M. Java, no. 13.

## 1914

- (& K. W. DAMMERMAN) „Die tierischen Feinde der Kautschuk- und Gutta-percha Gewächse.” Intern. Rubber Congres Batavia. Repr. fr. Rubber Receuil. p. 1—11.
- (& J. C. R. PEELEN) „Die Castilloa-Kultur auf Java.” Intern. Rubber Congres Batavia. Repr. fr. Rubber Receuil, p. 1—23.
- „Verslag betreffende de technische werkzaamheden over het jaar 1913/1914. Werkprogramma voor het jaar 1914/1915.” Med. Proefst. M. Java, no. 18.
- „Ons standpunt inzake het gramang- en luizenvraagstuk voor de koffiecultuur, tevens een verweerschrift en kritiek op de beschouwingen van den heer Keuchenius over hetzelfde onderwerp.” Teijsmannia, vol. 26, p. 636—671.
- „Verslag betreffende de technische werkzaamheden over het jaar 1914/1915. Werkprogramma voor het jaar 1915/1916.” Med. Proefst. M. Java, no. 20.
- „Sprinkhaanplagen.” Teijsmannia vol. 26, p. 115—124, p. 337—358, p. 758—790.

## 1916

- „Sprinkhaanplagen op Java.” De Indische Mercuur. Repr. p. 1—13.
- „Het *Helopeltis*-vraagstuk in het bijzonder met betrekking tot de Cacao.” Med. Proefst. M. Java, no. 21, p. 1—40.
- „Ueber einige weniger bekannte kultur-schädliche Lepidopteren auf Java.” (*Mudaria variabilis*, *Arbela tetraonis*, *Autoba lilacina*). Tijds. v. Entom., vol. 59, p. 1—17.
- „Verslag betreffende de technische werkzaamheden over het jaar 1915/1916. Werkprogramma voor het jaar 1916/1917.” Med. Proefst. M. Java, no. 23.
- „*Scelio javanica* n.sp. (Hym.: Proctotrypidae).” Tijds. v. Entom., vol. 59, p. 163—169.
- „*Panorpa*'s auf Java. (*Panorpa angustipennis* Westw.).” Tijds. v. Entom., vol. 59, p. 170—174.
- „Ueber den Höhenflug der Männchen von *Polistis diabolicus* Sauss.” Tijds. v. Entom., vol. 59, p. 175—179.
- „Zwei neue Gambir-schädliche Capsiden aus Sumatra.” Tijds. v. Entom., vol. 59, p. 180—183.
- „Verslag betreffende de technische werkzaamheden over het jaar 1915/1916. Werkprogramma voor het jaar 1916/1917.” Med. Proefst. M. Java, no. 23.
- „Eine neue Myrmekophile Lepidoptere aus Java (*Wurthia myrmecophila* n.g., n.sp.).” Zool. Med. Leiden, vol. 2, p. 141—146.
- „Eine neue Coniopterygide aus Java (*Parasemidalis decipiens* n.g. n.sp.). Zool. Med. Leiden, vol. 2, p. 156—158.

„Eine neue Dryinide aus Java (*Phanerodryinus javanus* n.g.n.sp.)." Tijds. Entom., vol. 59, p. 287—292.

## 1917

„Verslag betreffende de technische werkzaamheden over het jaar 1916/1917. Werkprogramma voor het jaar 1917/1918." Med. Proefst. M. Java, no. 28.

(& P. VAN DER GOOT) „Beknopt verslag der *Helopeltis* bijeenkomst (28 Juli 1916)." Med. Proefst. M. Java, no. 29.

„Eenige opmerkingen over twee Javaansche Canthariden: *Mylabris pustulata* Thunb. en *Epicauta ruficeps* Ill." Tijds. Entom., vol. 60, p. 252—267.

„Das Gespinst von *Parasemidalis* (Neur.: Coniopterygidae)." Zool. Med. Leiden, vol. 3, p. 274.

## 1918

„Insecten in opgeschuurde producten." Dagblad De Locomotief, 12, 13, 18 en 19 Februari 1918.

„Wenken betreffende het opschuren van padi ter wering van schadelijke insecten." Dep. van Landb. Nijv. en Handel. Korte Gegevens betreffende Ziekten en Plagen der Cultuurgewassen, no. 15.

„Entomologische onderzoekingen." (in 1917/1918). In: C. J. J. VAN HALL, Verslag over het jaar 1917/1918. Med. Proefst. M. Java, no. 32.

„De tabaksmier (*Solenopsis geminata* F.)." Teijsmannia, vol. 29, p. 192—200.

„*Mertila malayensis* Dist., een 'bloemwants' (Capside), schadelijk voor Orchideeën." Teijsmannia, vol. 29, p. 201—212.

„*Sideridis* (*Leucania*, *Cirphis*) *unipuncta* Haw., schadelijk voor het rijstgewas." Teijsmannia, vol. 29, p. 270—275.

„Zur Myrmekophilie von *Gerydus boisduvali* Moore (Lep., Rhop., Lycaenidae)." Tijds. Entom., vol. 61, p. 1—16.

## 1918/1919

„Over het opkweken van eenige merkwaardige vlindersoorten uit eieren." (*Actias maenas*, *Loepa katinka*, *Dudusa nobilis*). Trop. Natuur, vol. 7, p. 116—122, 184—188; vol. 8, p. 72—76.

## 1919

„Zwei neue Javanische Embiiden: *Oligotoma maerens* und *O. nana* m., zugleich ein Beitrag zur Naturgeschichte der Embiiden." Treubia, vol. 1, p. 1—22.

„*Thamnurgides myristicae*, eine neue Javanische Ipide (Col., Scolytoidea) aus Muskat-Nüssen." Treubia, vol. 1, p. 23—29.

„*Leucospis littoralis* n.sp. Eine neue Javanische Leucospide (Hym.: Chalc.)." Treubia, vol. 1, p. 30—33.

„Een termitophile Trochodeine van Java (*Trochoideus termitophilus* n.sp.?) (Col.: Endomychinae)." Treubia, vol. 1, p. 34—45.

„Zur Lebensweise einiger sozialen Faltenwespen auf Java. a. *Polistes diabolicus* de Sauss." Treubia, vol. 1, p. 45—50.

„Some additional remarks concerning Mr. Girault's descriptions of new Javanese Chalcid-flies." Treubia, vol. 1, p. 60.

„Zur Lebensweise einiger sozialen Faltenwespen auf Java. b. *Polistes javanicus* Cam." Treubia, vol. 1, p. 61—67.

„*Xyleborus destruens* Bldf. (Col. Ipidae) schädlich für Djati (*Tectona grandis*). " Treubia, vol. 1, p. 68—72.

„*Hyalopeplus smaragdinus* n.sp., eine neue Thee-capside aus Java (Rhynch., Hem., Heteropt.)." Treubia, vol. 1, p. 73—81.

„Mitteilungen über die Javanische Maulwurfsgrillen (Orth., Fam. Gryll. [Archetidae], Subfam. Gryllotalpen [Curtilinen]." Treubia, vol. 1, p. 90—97.

„Treubia ter inleiding." Teijsmannia, vol. 30, p. 75—80.

„Gegevens omtrent de Koffiebesen-boeboek, *Stephanoderes hampei* Ferr. = *coffeeae* Hag." Med. Inst. Plantenziekten, no. 38, p. 1—12.

„Het Orchideeën Blauwtje." (*Cblitaria dendrobii*). Teijsmannia, vol. 30, p. 115—121.

## 1920

- „Mededelingen over *Xylocopa*'s." Tijds. v. Entom., vol. 63, Verslag, p. XI—XIV.  
 „Uit het leven der koembangs (Houtbijen)" (*Xylocopa*). Trop. Natuur, vol. 9, p. 120—122.  
 „Ein neue *Dodona* aus dem westjavanischen Hochgebirge." Treubia, vol. 2, p. 84—88.  
 „De bloemknop-wants van de thee-heesters, *Hyalopeplus smarandinus* Rpk." Med. Proefst. Thee, no. 67, p. 1—10.  
 „Van een nijldige spin en nog iets over spinnen." Trop. Natuur, vol. 8, p. 155—157.

## 1922

- „Rupsen-bloed-zuigende dipteren op Java." Entom. Ber., vol. 6, no. 123, p. 39—40.  
 „Doodingsmiddelen voor Insecten." Entom. Ber., vol. 6, no. 123, p. 40—44.  
 „Cacao". In serie 'Onze Koloniale Landbouw', no. XI.  
 „De kwestie der *Andraca*'s (Bunch Caterpillars) opgelost." De Thee, vol. 3, p. 82—85.

## 1923

- Mededeling over Zoraptera en demonstratie van vormen van *Aglaia tau*. Tijds. v. Entom., vol. 66, Verslag p. 22—24.  
 „Een koningin van *Apis dorsata* F." Entom. Ber., vol. 6, no. 130, p. 156—159.

## 1924

- „Zur Kenntnis einiger Malaiischer Bombyciden-Arten." Tijds. v. Entom., vol. 67, p. 160—179.  
 „Over den paartijd van *Dytiscus*." Entom. Ber., vol. 6, no. 139, p. 298—299.

## 1925

- „Eine neue myrmekophile Tineide aus Java: *Hypophrictooides dolichoderella* n.g.n.sp." Tijds. v. Entom., vol. 68, p. 175—194.  
 „Zur vermeintlichen Myrmecophilie des *Trochoides desjardensi* Guér. (= *T. termitophilus* Rpk.?) (Col. Endomych.)." Biol. Zentralbl., vol. 45, p. 572—574.

## 1926

- „*Agrois pronuba* L., uitgesproken dimorph." Tijds. v. Entom., vol. 69, Verslag p. X—XII.  
 „Vorratsschädlinge auf Java." Mitt. Gesellsch. f. Vorratsschutz, vol. 2, p. 50—53.

## 1927

- „Calciumcyanide ter vervanging van cyaankali." Entom. Ber., vol. 7, no. 156, p. 223—225.  
 Demonstratie van *Smerinthus* hybriden. Tijds. v. Entom., vol. 70, Verslag p. 83.

## 1928

- „Moderne insectenbestrijding en hare mogelijkheden in Indië." Ind. Mercur, vol. 51, p. 102—104.  
 Variabiliteit van *Lasiocampa quercus* L. Tijds. v. Entom., vol. 71, Verslag p. 11—12.  
*Chrysophanus dispar* Hw., Tijds. v. Entom., vol. 71, Verslag p. 30—32.  
 „Ueber die Anfertigung mikroskopischer Präparate von Blattläusen (Aphididen)." Anz. f. Schädling., vol. 4.  
 „A new method for making microscopic Aphid preparations." Trans. IV intern. Congr. Entom., Ithaca, vol. 2, p. 917—918.  
 „Ueber die Franssenschen Untersuchungen an schwarzen Blattläusen der *Aphis fabae* Gruppe in Holland." Stett. Entom. Zeit., vol. 89, p. 1—30.

## 1930

- Bladluizen. In: Encycl. Ned. Indië. suppl.  
 „Verdere gegevens omtrent de Iepenziekte en den Iepen-spintkever." Tijds. Plantenziekten, vol. 36, p. 231—237.

„Beobachtungen an Indischen Honigbienen, insbesondere an *Apis dorsata* F.” Med. Landb. Hogeschool Wageningen, vol. 34. Repr. p. 1—28.

„Die Bedeutung des *Scolytus scolytus* als Ueberträger des sogenannten Holländischen Ulmenkrankheit.” 4 Wanderversammlung Deutsch. Entomol., 11—15 Juni 1930, p. 153—154.

„Ueber einen merkwürdigen Fall von ‚Myrmekophilie‘ bei einer Ameise (*Cladomyrma* sp.?) auf Sumatra beobachtet.” Misc. Zool. Sum., no. 45.

„Verdere gegevens omtrent de iepenziekte en de iepen-spintkever (*Scolytus scolytus* F. en *Graphium ulmi*).” Tijds. Plantenz., vol. 36, p. 232—237.

## 1931

„Moderne opvattingen omtrent insectenplagen in den boschbouw.” Ned. Boschb. Tijds., vol. 4, p. 1—10.

„De ‚Nachfrass‘ van den berken-spintkever (*Scolytus ratzeburgi* Jans.).” Tijds. Plantenz., vol. 37, p. 161—163.

„Over *Dictyophora irpicina* op Java en een blauwe bromvlieg.” Trop. Natuur, vol. 20, p. 198.

## 1932

„Ueber ‚Harzwanzen‘ von Sumatra und Java.” Misc. Zool. Sum., no. 68.

„De Vlinders van Java.” Album edited by E. Dunlop & Co., Batavia, p. 1—142.

„Uit de geschiedenis van het iepenziekte-onderzoek.” Vakbl. Biologen, vol. 14, p. 67—71.

„Résultats scientifiques du voyage aux Indes orientales néerlandaises du Léopold de Belgique. Lepidoptera, Heterocera.” Mém. Mus. R. Hist. Nat., vol. 4, fasc. 6, p. 79—99.

## 1933

„Kort verslag over het iepenziekte-onderzoek verricht aan het Laboratorium voor Entomologie der Landbouw Hoogeschool gedurende het jaar 1932.” Tijds. Plantenz., vol. 39, p. 16—17.

„Zur Frage der Eichenblattminierer.” Anz. Schäd.l.k., vol. 9, p. 24—25.

„Bemerkungen über *Xylocopa lunulata* Lep. (= *iridipennis* Bep.?) und ihren Nestbau auf Sumatra.” Misc. Zool. Sum., no. 78.

## 1934

„*Centrognathus sumatranus* n.sp., eine neue myrmecophile Cremastochiline (Col., Cetoniidae) von Nord-Ost Sumatra.” Misc. Zool. Sum., no. 80.

„Zur Sphragis-Bildung bei malayischen Papilios.” Entom. Zeits. (Frankfurt, vol. 48, p. 20—21.

## 1935

„Over eigen aanmaak van insectenvitrines en het gebruik van cellenlijm ter vervanging van turf e.d.” Entom. Ber., vol. 9, no. 204, p. 157—160.

„Herinneringen van een entomoloog aan het eiland Batjan, I and II.” Trop. Natuur, vol. 24, p. 73 and 96.

„De slakrupsenplag op het Molukken-eiland Batjan.” Med. Landb. Hoogesch., vol. 39, no. 1, p. 1—38.

„Alte und neue Indomalayische Noctuiden (Lep., Heter.) aus dem Leidener Museum.” Zool. Med. Leiden, vol. 18, p. 269—280.

„Ueber eine kleine Sammlung Lepidoptera Heterocera aus Ost-Sumatra.” Misc. Zool. Sum., no. 99, p. 1—9.

„Die Leica-Photographie im Dienste des Entomologen.” Entom. Rundschau, vol. 52, p. 137—141.

„*Rhopalocera javanica*. Geïllustreerd overzicht der Dagvlinders van Java. I. Fam. Papilionidae en Pieridae.” Fonds Landbouw Export Bureau, publicatie no. 12.

## 1936

„Van een merkwaaardige plant en een merkwaaardig insect, *Euonymus japonicus* Thbg. en *Hyponomeuta antistatica* Meyr., in Midden Java.” Trop. Natuur, Jubileum nummer, vol. 25, p. 20—24.

„*Rhopalocera javanica*. Tweede gedeelte. Fam. Danaïdae, Satyridae en Amathusiidae. Fonds Landbouw Export Bureau, publicatie no. 17.

„Ueber Indomalayischen Nachtfalter (Lep., Heter.), I.” Entom. Zeits., Frankfurt, vol. 40, p. 489—492.

## 1937

„Ueber Indomalayischen Nachtfalter (Lep. Heter.) II. and III.” Entom. Zeits. Frankfurt, vol. 41, p. 133—136, p. 193—196.

## 1938

“On the present status of *Vindula* (*Cynthia* Auct.) *erota* (Fabr.) and *V. arsinoë* (Lep., Rhop., Nymph.).” Proc. R. Ent. Soc. Lond. (B.) vol. 7, part 4.

„*Psychidarbela kalshoveni* n.g.n.sp. (Lep. Cossidae).” Entom. Med. Ned. Indië, vol. 4, p. 22—26.

„Ueber Indomalayischen Lepidoptera Heterocera des Kön. Museums für Naturkunde in Brüssel.” Med. Kon. Natuurh. Mus. België, vol. 14, nr. 13, p. 1—72.

„Ueber Indomalayische Nachtfalter (Lep. Het.) IV und V.” Entom. Zeits. Frankfurt, vol. 52, p. 51—54, 157—160.

„*Rhopalocera javanica*. Derde gedeelte. Fam. Nymphalidae.” Fonds Landbouw Export Bureau, publicatie No. 22.

## 1939

„De Colorado-kever.” Verhand. 17de Ned. Nat.- en Geneesk.-Congres te Nijmegen.

## 1940

„De rijpingsveterij van den ooftboom-spintkever, *Scolytus mali* Bechst. (Col.: Scol.).” Tijds. Plantenz., vol. 43.

„Aantekeningen over het geslacht *Cricula* Wlk. (Lep. Saturniidae).” Entom. Med. Ned. Indië, vol. 6, p. 23—32.

## 1941

“On the Javanese species of the genus *Utetheisa* Hb. (Lep. Het., fam. Arctiidae).” Tijds. Entom., vol. 84, p. 1—9.

“On some new or little known Indo-malayan Noctuids (Lep. Het. fam. Agrotidae).” Zool. Meded. Leiden, vol. 23, p. 13—30.

„Over de vlindercollectie Verloren van Themaat.” Entom. Ber., vol. 10, no. 242, p. 373—375.

(& F. DUPONT „*Heterocera javanica*, family Sphingidae, Hawk Moths.” Verhand. Ned. Akad. Wet., Natuurk., ser. 2, vol. 40, p. 1—104.

## 1942

„Het Laboratorium voor Entomologie van de Landbouwhogeschool.” Tijds. Entom., vol. 87 (publ. 1946), p. T 17—18.

„*Rhopalocera javanica*. Vierde Gedeelte. Slot. Fam. Libytheidae en Lemoniidae. Aanvullingen en verbeteringen op de delen I—III.” Fonds Landbouw Export Bureau, publicatie no. 26.

## 1943

“On the genera *Dudusa* Walk. and *Tarsolepis* Butl. in the Dutch East Indies (Lep., Het., fam. Notodontidae). Tijds. Entom., vol. 86, p. 77—83.

## 1943/1944

“Remarks on new and little known Indomalayan moths. (Lep. Het.).” Natuurh. Maandbl., vol. 32, p. 50, 57—58, 69—70, 78—80, 88, 93—94, 102—103; vol. 23, p. 3—5, 19—22.

## 1944

„Het probleem van de bladwespen in Nederland.” Ned. Boschb.k. Tijds., vol. 17, p. 33—40.

1945

1946

"Revisional notes on the genus *Cyana* Walk. (Lep.: Lithosiidae)." Tijds. Entom., vol. 87, (1944), p. 26—36.

"The Lithosiids collected by Dr. L. J. Toxopeus in Central Celebes, with remarks on some allied species." Tijds. v. Entom., vol. 87, p. 77—91 (1944).

„In Memoriam Dr. Pieter van der Goot (10 December 1887—10 April 1944)." Tijds. Plantenziekten, vol. 52, p. 33—37.

„In memoriam Ir. Nicolaas van Poeteren." Tijds. Plantenziekten, vol. 52.

„De Iepenziekte." Landbk. Tijds., vol. 58, p. 543—545.

„Nieuwe mogelijkheden op het gebied van chemische insecten-bestrijding." Landbk. Tijds., vol. 58, p. 631—635.

„Biologische Insectenbestrijding." Landbk. Tijds., vol. 58, p. 645—646.

1947

„Over de te Wageningen aanwezige entomologische collecties." Tijds. Entom., vol. 88, (1945), Feestbundel, p. 123—126.

1948

"Lepidoptera Heterocera from the summit of Mount Tanggamus, 2100 m, in Southern Sumatra." Tijds. Entom., vol. 89 (1946), p. 209—232.

„Uitheemse insecten in Nederland en waarnemingen omtrent *Colias*." Tijds. Entom., vol. 91, Verslagen p. 7—9.

„Vliegenbestrijding ten plattenlande en elders in de Verenigde Staten van Noord Amerika." Tijds. Plantenz., vol. 54, p. 109—111.

1949

„Nomenclatorische aantekeningen." I and II, Entom. Ber., vol. 12, no. 289, p. 372—373, no. 292, p. 418—419.

„Het vervaardigen van genitaal-preparaten." Ent. Ber., vol. 12, No. 290, p. 391.

„In Memoriam J. P. A. Kalis (1899—1949)." Entom. Ber., vol. 12, no. 293, p. 425—427.

"The genus *Nyctemera* Hübner." Trans. R. Ent. Soc. Lond., vol. 100, part 2.

„Over de vlinderverzamelingen van het Naturhistoriska Riksmuseet te Stockholm." Tijds. Entom., vol. 91, Verslag 108—110.

1950

„Aantekeningen over synonymie." Entom. Ber., vol. 13, no. 296, p. 25—28.

„*Ocneria dispar* L. ♀ eieren leggend." Entom. Ber., vol. 13, no. 306, p. 178.

„Over twee *Agrilus*-soorten (Col.)." Tijds. Entom., vol. 92, Verslag p. 1—3.

„Boekbespreking: Kalshoven, De plagen van de Cultuurgewassen in Indonesië, I." Landb. Tijds., p. 495.

1951

„*Lophopteryx capucina* L. op Amerikaanse eik." Entom. Ber., vol. 13, no. 308, p. 217.

„*Lucanus cervus* op de Hoge Veluwe. — *Tischeria complanella* Hb." Entom. Ber., vol. 13, no. 309, p. 240.

„In Memoriam Dr. J. C. Koningsberger." Entom. Ber., vol. 13, no. 311, p. 257—258.

„In Memoriam Hendrik Lucht." Entom. Ber., vol. 13, no. 312, p. 286.

„*Enarmonia* en niet *Ernarmonia*." Entom. Ber., vol. 13, no. 312, p. 286.

„In Memoriam Professor Dr. L. J. Toxopeus." Entom. Ber., vol. 13, no. 313, p. 289; Vakbl. Biologen, vol. 31, p. 121—122.

„Wat is *Acridium zebutneri* Kraus?" Entom. Ber. vol. 13, no. 316, p. 349—350.

"The genus *Trabala* in the Far East (Lep. Het. fam. Lasiocampidae)." Med. Landb. Ho-gesch. Wageningen, vol. 50, part 7, p. 106—133.

„Het genus *Trabala*." Tijds. Entom., vol. 94, Verslag p. 3—5.

„Javaanse kevers (Col.) (Collectie H. Lucht)." Tijds. v. Entom., vol. 94, Verslag p. 19.

- "History of entomology in the Dutch East Indies before 1940. A sketch." In: Entomology in the Netherlands and their Overseas Territories. IXth Intern. Congres of Entomology.
- „*Xylocopa violacea* te Wageningen." Entom. Ber., vol. 13, no. 318, p. 380.
- „Lepidoptera Heterocera gesammelt von Dr. F. Schneider in Sumatra." Mitt. Schweiz. Ent. Ges., vol. 24, p. 377—400.

## 1952

- „Over de Cossidae van Indonesië." Tijds. Entom., vol. 95, Verslag p. 19 (1951).
- „Professor Dr. L. J. Toxopeus ter nagedachtenis." "Toxopeana (Remarks on some Indonesian Butterflies and Moths.)" Tijds. Entom., vol. 95, p. 9—22.
- "*Pterochlorus rosae*, an uncommon Aphids on roses." Tijds. Plantenziekten, vol. 58, p. 251—252.

## 1953

- „Insecten op Java als menselijk voedsel of als medicijn gebezigd." Entom. Ber., vol. 14, no. 328, p. 172—174.
- „Boekbespreking: C. G. G. J. van Steenis, Flora malesiana, deel 1, 1950." Entom. Ber. vol. 14, no. 331, p. 207.
- „In Memoriam Karel Willem Dammerman, 1885—1951." Tijds. Entom., vol. 96, p. 9—12.
- "Four Lasiocampids from Java (Lep. Het.)." Tijds. Entom., vol. 96, p. 95—97.
- „Quelques espèces des genres *Trabala* Walk. et *Crinocraspeda* Hamps. du Museum de Paris." Rev. Franc. Lepidopt., vol. 1, p. 3—4.
- „Wandelende bladeren (*Phyllium*) (Orthopt.)." Entom. Ber. vol. 14, no. 336, p. 293—294.
- „*Aglia tau* bij Bennekom en enkele opmerkingen over deze soort." Entom. Ber., vol. 14, nr. 339, p. 337—338.
- „Enkele aantekeningen over synonymie." (*Dudusa*, *Entomogramma*, *Acygonia*, *Chilcasa*). Entom. Ber., vol. 14, no. 340, p. 364—365.
- "The *katinka* group of the genus *Loepa* (Lep. Het., Saturn.)." Tijds. Entom., vol. 96, p. 227—230.
- "*Attacus dobertyi dammermani* nov. subsp. and some notes concerning the genus *Attacus* L. (Lep. Het., fam. Saturn.)." Zool. Med. Leiden, vol. 32, part 6, p. 49—56.
- „*Cerosiphia verbasci* Schrk., een zeldzame bladluis, nieuw voor de fauna van Nederland." Entom. Ber., vol. 14, no. 341, p. 380—381.
- „Dr. Carl Börner †" Entom. Ber., vol. 14, nr. 341, p. 381—382.

## 1954

- „*Appias* en *Delias* uit Indonesië." Entom. Ber., vol. 15, no. 2, p. 26.
- „*Acyphoderes birtipes* uit Surinaams hout (Col.)." Entom. Ber., vol. 15, no. 2, p. 26—27.
- „In Memoriam Dr. S. Leefmans." Tijds. Plantenziekten, vol. 60, p. 67—68; and Vakbl. Biologen, vol. 34, p. 21—22.
- „Dr. S. Leefmans als entomoloog in Indië." Entom. Ber., vol. 15, no. 4, p. 69—72.
- "The species of the genus *Spilosoma* Steph. in Java (Lep., Arctiidae)." Idea, vol. 10, p. 16—20; also: Labor. Entom. Wageningen, Med. no. 1.
- "Some new and little known Lepidoptera from Indonesia and New Guinea, 1." Tijds. Entom., vol. 97, p. 257—262.
- „Dr. Leo Zehntner 90 jaar!" Entom. Ber., vol. 15, no. 12, p. 253—254.

## 1955

- „Over *Attacus*-soorten uit Zuid-Oost-Azië." Entom. Ber., vol. 15, no. 13, p. 296.
- „Een spin uit copal van Nieuw Zeeland (Aran.)." Entom. Ber., vol. 15, no. 17, p. 390.
- „*Delias* in Nieuw Guinea (Lep.)." Entom. Ber., vol. 15, no. 22, p. 495.
- "The Butterflies of the genus *Delias* Hübner (Lep.) in the Netherlands New Guinea." Nova Guinea, new ser. no. 6, p. 185—260.

1956

„Enkele aantekeningen over het werk van Pieter Cramer en over zijn persoon." Entom. Ber., vol. 16, nr. 2, p. 22—25.

"Some new and little known Lepidoptera from Indonesia and New Guinea. 2." Tijds. Entom., vol. 99, p. 23—29.

"Notes and descriptions of Cossidae from New Guinea (Lep. Het.)." Trans. R. Ent. Soc. Lond., vol. 107, p. 281—288.

1957

„De mooiste vlinders" (Nederlandse bewerking).

„Die *bisaltide-polibete* Gruppe der Gattung *Doleschallia* Feld. (Lep., Nymph.)." Tijds. Entom., vol. 100, p. 25—28.

"The genus *Nyctemera* Hübner. II." Tijds. Entom., vol. 100, p. 147—178.

"The Cossids of the Malay Region. (Lep. Heter.)." Verhand. Kon. Ned. Akad. Wet., Nat., ser. 2, vol. 52, no. 1, p. 1—60; also: Labor. Entom. Wageningen, Med. no. 27.

1959

„Das Weibchen von *Delias benasu* Martin." Zool. Med. Leiden, vol. 36, p. 299—301.